

## 2018 Current Fiscal Year Report: Proposal Review Panel for Polar Programs

Report Run Date: 06/06/2019 03:09:36 AM

### 1. Department or Agency

National Science Foundation

### 2. Fiscal Year

2018

### 3. Committee or Subcommittee

Proposal Review Panel for Polar Programs

### 3b. GSA Committee No.

1209

### 4. Is this New During Fiscal Year?

No

### 5. Current Charter

06/29/2018

### 6. Expected Renewal Date

06/29/2020

### 7. Expected Term Date

### 8a. Was Terminated During Fiscal Year?

No

### 8b. Specific Termination Authority

### 8c. Actual Term Date

### 9. Agency Recommendation for Next Fiscal Year

Continue

### 10a. Legislation Req to Terminate?

No

### 10b. Legislation Pending?

Not Applicable

### 11. Establishment Authority

Agency Authority

### 12. Specific Establishment Authority

ADM IV-100

### 13. Effective Date

08/30/1990

### 14. Committee Type

Continuing

### 14c. Presidential?

No

### 15. Description of Committee

Grant Review Committee

### 16a. Total Number of Reports

No Reports for this Fiscal Year

### 17a. Open Meetings 0 17b. Closed Meetings 12 17c. Partially Closed Meetings 0 Other Activities 0 17d. Total Meetings 12

#### Purpose

#### Start

#### End

Proposal Review

11/14/2017

- 11/28/2017

Proposal Review

11/15/2017

- 11/15/2017

Proposal Review

12/01/2017

- 12/04/2017

Proposal Review

12/13/2017

- 12/15/2017

Proposal Review

03/13/2018

- 03/16/2018

Proposal Review

06/05/2018

- 06/05/2018

Proposal Review

06/06/2018

- 06/06/2018

Proposal Review

06/28/2018

- 06/28/2018

Proposal Review

07/05/2018

- 07/05/2018

Proposal Review

07/09/2018

- 07/09/2018

Proposal Review

09/12/2018

- 09/13/2018

Proposal Review

09/12/2018

- 09/14/2018

### Number of Committee Meetings Listed: 12

### Current FY Next FY

### 18a(1). Personnel Pmts to Non-Federal Members

\$70,120.00 \$74,327.00

### 18a(2). Personnel Pmts to Federal Members

\$0.00 \$0.00

|   |              |              |
|---|--------------|--------------|
| <b>18a(3). Personnel Pmts to Federal Staff</b>                        | \$83,660.00  | \$88,680.00  |
| <b>18a(4). Personnel Pmts to Non-Member Consultants</b>               | \$0.00       | \$0.00       |
| <b>18b(1). Travel and Per Diem to Non-Federal Members</b>             | \$16,331.00  | \$17,311.00  |
| <b>18b(2). Travel and Per Diem to Federal Members</b>                 | \$892.00     | \$995.00     |
| <b>18b(3). Travel and Per Diem to Federal Staff</b>                   | \$14,840.00  | \$15,730.00  |
| <b>18b(4). Travel and Per Diem to Non-member Consultants</b>          | \$0.00       | \$0.00       |
| <b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b> | \$882.00     | \$935.00     |
| <b>18d. Total</b>   | \$186,725.00 | \$197,978.00 |
| <b>19. Federal Staff Support Years (FTE)</b>                          | 0.47         | 0.50         |

**20a. How does the Committee accomplish its purpose?**

Panel deliberations resulted in the ranking and recommendations of awards made in Antarctic and Arctic sciences and the Antarctic Artists and Writers proposals. The panel's advice is weighed carefully by the program staff in making funding recommendations.

**20b. How does the Committee balance its membership?**

Panel membership includes individuals with expertise in all areas of the sciences involved, selected for broad geographical distribution, and to provide an appropriate mix of types of colleges and universities. Represented were women and minorities, plus industrial scientists. The Antarctic Artists and Writers panel is comprised of professional artists, writers, scientists, and educators—some, current or former NSF award recipients with first-hand Antarctic experience.

**20c. How frequent and relevant are the Committee Meetings?**

Panels meet at least once a year as soon as practical after proposal deadlines. Continuance of the panel is essential to fair and equitable decision-making as to which proposals are supported.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

The breadth of expertise required for fair peer evaluation of the variety of proposals received transcends the ability of NSF staff, so outside advice from scientists from all polar disciplines is essential. Panel review is the only viable means to obtain adequate review of proposals in these varied programs.

**20e. Why is it necessary to close and/or partially closed committee meetings?**

To review proposals that included information of a proprietary or confidential nature, including technical information; financial data, such as salaries; and personal information concerning individuals associated with the proposals.

## 21. Remarks

None

### Designated Federal Officer

Kelly Falkner Director, Division of Polar Programs

| Committee Members    | Start      | End        | Occupation  | Member Designation                       |
|----------------------|------------|------------|---|--|
| Alber, Merryl        | 10/01/2017 | 09/30/2018 | University of Georgia   | Special Government Employee (SGE) Member |
| Alexander, Becky     | 10/01/2017 | 09/30/2018 | University of Washington  | Special Government Employee (SGE) Member |
| Anderson, Shelby     | 10/01/2017 | 09/30/2018 | Portland State University   | Special Government Employee (SGE) Member |
| Bales, Roger         | 10/01/2017 | 09/30/2018 | University of California - Merced   | Special Government Employee (SGE) Member |
| Bergstrom, Ryan      | 10/01/2017 | 09/30/2018 | University of Minnesota-Duluth  | Special Government Employee (SGE) Member |
| Bethel, Glenn        | 10/01/2017 | 09/30/2018 | U.S. Department of Agriculture USDA   | Special Government Employee (SGE) Member |
| Brewer, Joseph       | 10/01/2017 | 09/30/2018 | University of Kansas  | Special Government Employee (SGE) Member |
| Bronen, Robin        | 10/01/2017 | 09/30/2018 | Alaska Institute for Justice  | Special Government Employee (SGE) Member |
| Burns, David         | 10/01/2017 | 09/30/2018 | Walsh Group   | Special Government Employee (SGE) Member |
| Campbell, Seth       | 10/01/2017 | 09/30/2018 | University of Maine   | Special Government Employee (SGE) Member |
| Cole-Dai, Jihong     | 10/01/2017 | 09/30/2018 | South Dakota State University   | Special Government Employee (SGE) Member |
| Comstock, Allyson    | 10/01/2017 | 09/30/2018 | Individual  | Special Government Employee (SGE) Member |
| Condron, Alan        | 10/01/2017 | 09/30/2018 | Woods Hole Oceanographic Institution  | Special Government Employee (SGE) Member |
| Cowan, Ellen         | 10/01/2017 | 09/30/2018 | Appalachian State University  | Special Government Employee (SGE) Member |
| Creyts, Timothy      | 10/01/2017 | 09/30/2018 | Lamont-Doherty Earth Observatory-Columbia University                                  | Special Government Employee (SGE) Member |
| Csoba DeHass, Medeia | 10/01/2017 | 09/30/2018 | University of Alaska Anchorage Regional Center  | Special Government Employee (SGE) Member |
| Danielson, Seth      | 10/01/2017 | 09/30/2018 | University of Alaska-Fairbanks  | Special Government Employee (SGE) Member |
| Das, Sarah           | 10/01/2017 | 09/30/2018 | Woods Hole Oceanographic Institution  | Special Government Employee (SGE) Member |
| Dunne, John          | 10/01/2017 | 09/30/2018 | National Oceanic and Atmospheric Administration/Geophysical Fluid Dynamics Laboratory | Regular Government Employee (RGE) Member |
| Ellison, Aaron       | 10/01/2017 | 09/30/2018 | Harvard University  | Special Government Employee (SGE) Member |
| Fagherazzi, Sergio   | 10/01/2017 | 09/30/2018 | Trustees of Boston University   | Special Government Employee (SGE) Member |
| Feldstein, Steven    | 10/01/2017 | 09/30/2018 | Pennsylvania State University   | Special Government Employee (SGE) Member |
| Fox, William         | 10/01/2017 | 09/30/2018 | Individual  | Special Government Employee (SGE) Member |

|                      |            |            |   |  |
|----------------------|------------|------------|---|--|
| Frissell, Nathaniel  | 10/01/2017 | 09/30/2018 | New Jersey Institute of Technology  | Special Government Employee (SGE) Member |
| Fuente, David        | 10/01/2017 | 09/30/2018 | University of South Carolina  | Special Government Employee (SGE) Member |
| Gong, Donglai        | 10/01/2017 | 09/30/2018 | Virginia Institute of Marine Science                                      | Special Government Employee (SGE) Member |
| Grannas, Amanda      | 10/01/2017 | 09/30/2018 | Villanova University  | Special Government Employee (SGE) Member |
| Griffith, David      | 10/01/2017 | 09/30/2018 | East Carolina University  | Special Government Employee (SGE) Member |
| Hamilton, Trinity    | 10/01/2017 | 09/30/2018 | University of Minnesota   | Special Government Employee (SGE) Member |
| Hobbie, Sarah        | 10/01/2017 | 09/30/2018 | University of Minnesota   | Special Government Employee (SGE) Member |
| Iverson, Neal        | 10/01/2017 | 09/30/2018 | Iowa State University   | Special Government Employee (SGE) Member |
| Junge, Karen         | 10/01/2017 | 09/30/2018 | University of Washington  | Special Government Employee (SGE) Member |
| Keister, Julie       | 10/01/2017 | 09/30/2018 | University of Washington  | Special Government Employee (SGE) Member |
| Khan, Alia           | 10/01/2017 | 09/30/2018 | University Of Colorado - Boulder  | Special Government Employee (SGE) Member |
| Klipper, Stuart      | 10/01/2017 | 09/30/2018 | Individual  | Special Government Employee (SGE) Member |
| Koffman, Bess        | 10/01/2017 | 09/30/2018 | Colby College   | Special Government Employee (SGE) Member |
| Lewis, Jordan        | 10/01/2017 | 09/30/2018 | University of Alaska-Anchorage  | Special Government Employee (SGE) Member |
| Licht, Kathy         | 10/01/2017 | 09/30/2018 | Indiana Univ-Purdue Univ Indianapolis                                     | Special Government Employee (SGE) Member |
| Liu, Xiaohong        | 10/01/2017 | 09/30/2018 | University of Wyoming   | Special Government Employee (SGE) Member |
| MacAyeal, Douglas    | 10/01/2017 | 09/30/2018 | University of Chicago   | Special Government Employee (SGE) Member |
| Mak, John            | 10/01/2017 | 09/30/2018 | State University of New York-Stony Brook                                  | Special Government Employee (SGE) Member |
| Marino, Elizabeth    | 10/01/2017 | 09/30/2018 | Oregon State University   | Special Government Employee (SGE) Member |
| Marshall, Hans-Peter | 10/01/2017 | 09/30/2018 | Boise State University  | Special Government Employee (SGE) Member |
| McCalley, Carmody    | 10/01/2017 | 09/30/2018 | Rochester Institute of Tech   | Special Government Employee (SGE) Member |
| McClelland, James    | 10/01/2017 | 09/30/2018 | University of Texas at Austin   | Special Government Employee (SGE) Member |
| Medley, Brooke       | 10/01/2017 | 09/30/2018 | National Aeronautics and Space Administration/Goddard Space Flight Center | Regular Government Employee (RGE) Member |
| Mudar, Karen         | 10/01/2017 | 09/30/2018 | National Park Services  | Regular Government Employee (RGE) Member |
| Muto, Atsuhiko       | 10/01/2017 | 09/30/2018 | Temple University   | Special Government Employee (SGE) Member |
| Myrbo, Amy           | 10/01/2017 | 09/30/2018 | University of Minnesota   | Special Government Employee (SGE) Member |
| Neri, Greg           | 10/01/2017 | 09/30/2018 | Individual  | Special Government Employee (SGE) Member |
| Nowicki, Sophie      | 10/01/2017 | 09/30/2018 | National Aeronautics and Space Administration/Goddard Space Flight Center | Regular Government Employee (RGE) Member |
| O'Brien, Margaret    | 10/01/2017 | 09/30/2018 | University California   | Special Government Employee (SGE) Member |

|                      |            |            |   |  |
|----------------------|------------|------------|---|--|
| Oddsottir, Embla     | 10/01/2017 | 09/30/2018 | University of Akureyri/Icelandic Arctic Cooperation Network | Special Government Employee (SGE) Member |
| Overeem, Irina       | 10/01/2017 | 09/30/2018 | University of Colorado-Boulder                              | Special Government Employee (SGE) Member |
| Padman, Laurence     | 10/01/2017 | 09/30/2018 | Earth and Space Research                                    | Special Government Employee (SGE) Member |
| Palo, Scott          | 10/01/2017 | 09/30/2018 | University of Colorado at Boulder                           | Special Government Employee (SGE) Member |
| Panda, Santosh       | 10/01/2017 | 09/30/2018 | University of Alaska Fairbanks Campus                       | Special Government Employee (SGE) Member |
| Parfit, Michael      | 10/01/2017 | 09/30/2018 | Mountainside Films Ltd.                                     | Special Government Employee (SGE) Member |
| Rasmus, Stacy        | 10/01/2017 | 09/30/2018 | University of Alaska  | Special Government Employee (SGE) Member |
| Rempel, Alan         | 10/01/2017 | 09/30/2018 | University of Oregon  | Special Government Employee (SGE) Member |
| Resplandy, Laure     | 10/01/2017 | 09/30/2018 | Princeton University  | Special Government Employee (SGE) Member |
| Rowland, Joel        | 10/01/2017 | 09/30/2018 | Los Alamos National Laboratory                              | Special Government Employee (SGE) Member |
| Sakakibara, Chie     | 10/01/2017 | 09/30/2018 | Oberlin College   | Special Government Employee (SGE) Member |
| Saros, Jasmine       | 10/01/2017 | 09/30/2018 | University of Maine   | Special Government Employee (SGE) Member |
| Scambos, Ted         | 10/01/2017 | 09/30/2018 | University of Colorado-Boulder                              | Special Government Employee (SGE) Member |
| Sergienko, Olga      | 10/01/2017 | 09/30/2018 | Princeton University  | Special Government Employee (SGE) Member |
| Shelef, Eitan        | 10/01/2017 | 09/30/2018 | University of Pittsburgh                                    | Special Government Employee (SGE) Member |
| Sherin, Brian        | 10/01/2017 | 09/30/2018 | Stanford University   | Special Government Employee (SGE) Member |
| Simonson, Lily       | 10/01/2017 | 09/30/2018 | Individual  | Special Government Employee (SGE) Member |
| Sims, Jeffrey        | 10/01/2017 | 09/30/2018 | SLAC National Accelerator Laboratory                        | Special Government Employee (SGE) Member |
| Sipler, Rachel       | 10/01/2017 | 09/30/2018 | Memorial University of Newfoundland                         | Special Government Employee (SGE) Member |
| Smith, Karen         | 10/01/2017 | 09/30/2018 | University Of Toronto                                       | Special Government Employee (SGE) Member |
| Solis, Xochi         | 10/01/2017 | 09/30/2018 | Individual  | Special Government Employee (SGE) Member |
| Sowers, Todd         | 10/01/2017 | 09/30/2018 | Pennsylvania State University                               | Special Government Employee (SGE) Member |
| Sowers, Todd         | 10/01/2017 | 09/30/2018 | Pennsylvania State University                               | Special Government Employee (SGE) Member |
| Stearns, Leigh       | 10/01/2017 | 09/30/2018 | University of Kansas  | Special Government Employee (SGE) Member |
| Stone, John          | 10/01/2017 | 09/30/2018 | University of Washington                                    | Special Government Employee (SGE) Member |
| Straneo, Fiammetta   | 10/01/2017 | 09/30/2018 | Woods Hole Oceanographic Institution                        | Special Government Employee (SGE) Member |
| Strawhacker, Colleen | 10/01/2017 | 09/30/2018 | National Snow and Ice Data Center                           | Special Government Employee (SGE) Member |
| Subramaniam, Ajit    | 10/01/2017 | 09/30/2018 | Lamont-Doherty Earth Observatory-Columbia University        | Special Government Employee (SGE) Member |
| Suermann, Patrick    | 10/01/2017 | 09/30/2018 | Texas A&M University  | Special Government Employee (SGE) Member |

|                           |            |            |   |   |
|---------------------------|------------|------------|---|---|
| Sutherland, David         | 10/01/2017 | 09/30/2018 | University Of Oregon                                      | Special Government<br>Employee (SGE) Member |
| Talasek, J. D.            | 10/01/2017 | 09/30/2018 | Individual  | Special Government<br>Employee (SGE) Member |
| Topkok, Meghan            | 10/01/2017 | 09/30/2018 | Southeast Alaska Regional Health Consortium<br>(SEARHC)   | Special Government<br>Employee (SGE) Member |
| Topkok, Sean              | 10/01/2017 | 09/30/2018 | University of Alaska Fairbanks                            | Special Government<br>Employee (SGE) Member |
| Tosi, Delia               | 10/01/2017 | 09/30/2018 | Individual  | Special Government<br>Employee (SGE) Member |
| Towns, John               | 10/01/2017 | 09/30/2018 | University of Illinois-National Center for Supercomputing | Special Government<br>Employee (SGE) Member |
| Tyler, Scott              | 10/01/2017 | 09/30/2018 | University of Nevada                                      | Special Government<br>Employee (SGE) Member |
| Ulturgasheva,<br>Olga     | 10/01/2017 | 09/30/2018 | University of Manchester                                  | Special Government<br>Employee (SGE) Member |
| Walker, Meghan            | 10/01/2017 | 09/30/2018 | Leidos, Antarctic Support Contract (ASC)                  | Special Government<br>Employee (SGE) Member |
| Wheelerburg,<br>Robert    | 10/01/2017 | 09/30/2018 | Elizabethtown College                                     | Special Government<br>Employee (SGE) Member |
| Wicks, Maris              | 10/01/2017 | 09/30/2018 | Individual  | Special Government<br>Employee (SGE) Member |
| Yager, Patricia           | 10/01/2017 | 09/30/2018 | University of Georgia                                     | Special Government<br>Employee (SGE) Member |
| Yamin-Pasternak,<br>Sveta | 10/01/2017 | 09/30/2018 | University of Alaska Fairbanks                            | Special Government<br>Employee (SGE) Member |
| Zarnetske, Jay            | 10/01/2017 | 09/30/2018 | Michigan State University                                 | Special Government<br>Employee (SGE) Member |
| Zoet, Lucas               | 10/01/2017 | 09/30/2018 | University of Wisconsin Madison                           | Special Government<br>Employee (SGE) Member |

**Number of Committee Members Listed: 96**

## Narrative Description

NSF accomplishes its mission through monetary awards (grants) for research and education and science and engineering. Grants are awarded in response to proposals submitted to the Foundation. Proposal review panels are often used as part of the merit review process that gathers information about the strengths and weaknesses of proposals. This advice is one of the principal inputs to NSF's decisions to either make an awards or decline to support a particular proposal.

## What are the most significant program outcomes associated with this committee?

Checked if Applies

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Improvements to health or safety | <input type="checkbox"/>            |
| Trust in government              | <input type="checkbox"/>            |
| Major policy changes             | <input type="checkbox"/>            |
| Advance in scientific research   | <input checked="" type="checkbox"/> |
| Effective grant making           | <input checked="" type="checkbox"/> |
| Improved service delivery        | <input type="checkbox"/>            |

|   |                          |
|---|--------------------------|
| Increased customer satisfaction                   | <input type="checkbox"/> |
| Implementation of laws or regulatory requirements | <input type="checkbox"/> |
| Other   | <input type="checkbox"/> |

**Outcome Comments**

N/A

**What are the cost savings associated with this committee?**

Checked if Applies

|                            |                                     |
|----------------------------|-------------------------------------|
| None                       | <input type="checkbox"/>            |
| Unable to Determine        | <input checked="" type="checkbox"/> |
| Under \$100,000            | <input type="checkbox"/>            |
| \$100,000 - \$500,000      | <input type="checkbox"/>            |
| \$500,001 - \$1,000,000    | <input type="checkbox"/>            |
| \$1,000,001 - \$5,000,000  | <input type="checkbox"/>            |
| \$5,000,001 - \$10,000,000 | <input type="checkbox"/>            |
| Over \$10,000,000          | <input type="checkbox"/>            |
| Cost Savings Other         | <input type="checkbox"/>            |

**Cost Savings Comments**

N/A

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

526

**Number of Recommendations Comments**

Varies, depending on the number of proposals taken to panel. The number of recommendations is for the fiscal year.

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

100%

**% of Recommendations Fully Implemented Comments**

Proposal review panels provide advice to NSF to inform NSF's decision on funding or declining to fund research proposals. The advice is not binding in NSF and NSF does not track exactly how recommendations from panels track to decisions.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

0%

**% of Recommendations Partially Implemented Comments**

Not applicable. Please see answer directly above.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes ☐ No ☒ Not Applicable ☐

**Agency Feedback Comments**

N/A

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

Checked if Applies

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Reorganized Priorities            | <input type="checkbox"/>            |
| Reallocated resources             | <input type="checkbox"/>            |
| Issued new regulation             | <input type="checkbox"/>            |
| Proposed legislation              | <input type="checkbox"/>            |
| Approved grants or other payments | <input checked="" type="checkbox"/> |
| Other                             | <input type="checkbox"/>            |

**Action Comments**

Proposal review panels provide advice only on specific proposal competitions. Thus, this advice informs the NSF decision to make awards or declinations only.

**Is the Committee engaged in the review of applications for grants?**

Yes

|  |              |
|--|--------------|
| What is the estimated <u>Number</u> of grants reviewed for approval          | 526          |
| What is the estimated <u>Number</u> of grants recommended for approval       | 180          |
| What is the estimated <u>Dollar Value</u> of grants recommended for approval | \$85,989,750 |

**Grant Review Comments**

Not all proposals are taken to review panels. Some reviews are done by ad-hoc review only. Both are acceptable forms of merit review within NSF.

**How is access provided to the information for the Committee's documentation?**



|                           | Checked if Applies                  |
|---------------------------|-------------------------------------|
| Contact DFO               | <input checked="" type="checkbox"/> |
| Online Agency Web Site    | <input checked="" type="checkbox"/> |
| Online Committee Web Site | <input type="checkbox"/>            |
| Online GSA FACA Web Site  | <input type="checkbox"/>            |
| Publications              | <input type="checkbox"/>            |
| Other                     | <input type="checkbox"/>            |

**Access Comments**

N/A